

California Water Quality Monitoring Collaboration Network Participant:

Join the California Water Quality Monitoring Collaboration Network, Martha Sutula (Southern California Coastal Water Research Project or SCCWRP), Peggy Fong and Lauri Green (UCLA Department of Ecology and Evolutionary Biology) for a very special Webinar session " *Identification of Thresholds of Adverse Effect of Macroalgal Blooms on Benthic Habitat Quality of Estuarine Intertidal Flats* ". Please join us on Wednesday October 31, 9:30 AM -11:30 AM. See the instructions below on how to join the webinar. This webinar uses voice over phone protocol, so to watch the presentation "join the online meeting" and to hear the meeting "join the teleconference".

Identification of Thresholds of Adverse Effect of Macroalgal Blooms on Benthic Habitat Quality of Estuarine Intertidal Flats

The SWRCB is developing nutrient objectives to protect and restore California water bodies from adverse effects of nutrient over-enrichment. The proposed approach, termed the Nutrient Numeric Endpoint (NNE) framework, involves developing numeric endpoints that will serve as guidance in translating narrative water quality objectives for nutrients and biostimulatory substances. These endpoints are based on indicators of the ecological response to nutrient-overenrichment, rather than measures of nutrient concentration or loading per se. The framework has been completed for streams and lakes and is now under development for estuaries. Studies have been completed that have attempted to identify thresholds of adverse effect of macroalgal blooms on benthic habitat quality in estuarine intertidal flats. The SWRCB is considering using these studies to establish regulatory endpoints for regulating the effects of eutrophication in macroalgal-dominated estuaries. This webinar provides a technical presentation of the results of those studies.

Dr. Martha Sutula is head of the Biogeochemistry Department at the Southern California Coastal Water Research Project (SCCWRP), where she oversees projects related to eutrophication and harmful algal blooms in streams, estuaries and nearshore waters. Her most recent work includes providing technical support to the California State Water Board to develop estuarine nutrient objectives.

Dr. Peggy Fong is a Full Professor and Vice Chair of UCLA's Department of Ecology and Evolutionary Biology. Her research lies at the intersection of community and ecosystem ecology with an overarching goal to use her results to inform conservation of marine ecosystems and communities. She has studied the effects of climate change, nutrient enrichment, and accelerating human use of natural resources in many critical marine habitats including coastal estuaries and lagoons, coral reefs, kelp forests and seagrass beds.

Dr. Lauri Green is an ecologist whose research has focused on investigating relationships between macroalgal blooms, benthic habitat quality, and success of estuarine bird foraging. She received her doctorate from UCLA's Department of Ecology

and Evolutionary Biology. She is currently serving as a post-doctoral research associate at Harbor Branch Oceanographic Institute in Florida.

Meeting information

Topic: CWQMCN Identification of Thresholds of Adverse Effect of Macroalgal Blooms on Benthic Habitat Quality of Estuarine Inter

Date: Wednesday, October 31, 2012

Time: 9:30 am, Pacific Daylight Time (San Francisco, GMT-07:00)

Meeting Number: 747 020 966

Meeting Password: wqwebinar

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We have set up a webpage for the California Water Quality Monitoring Collaboration Network (CWQMCN) at:

www.waterboards.ca.gov/water_issues/programs/monitoring_council/collaboration_network/index.shtml **A live recording of this webinar will be posted at this website.**

Webinar materials (if available), all past webinars (recordings and pdf's) are posted on the website. The recorded webinars and associated materials are located under 'Monthly Webinars'. We hope the use of this webpage to helps you network within the larger monitoring community. Feel free to give us your ideas on how to make it better.

CWQMCN Emails:

New participants can join the webinar listserv by signing up on the web at:
www.waterboards.ca.gov/resources/email_subscriptions/swrcb_subscribe.shtml.

Enter your email address and name, place a check mark next to "Water Quality

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California Water Quality Monitoring Professional Network :

Share technical and support tools for water quality monitoring, assessment and reporting; Encourage discussion on common concerns like information management and program development; Provide a forum for networking and collaboration. This LinkedIn Group, California Water Quality Monitoring Professional Network, compliments the California Water Quality Monitoring Collaboration Network (CWQMCN) and was created so that water quality monitors and Network members would have the ability to further collaborate and communicate outside of the current CWQMCN Webinar series and emails If you are a member of LinkedIn please join the group. Not a member yet? Please consider doing so and joining this group of water quality monitoring professionals, www.linkedin.com